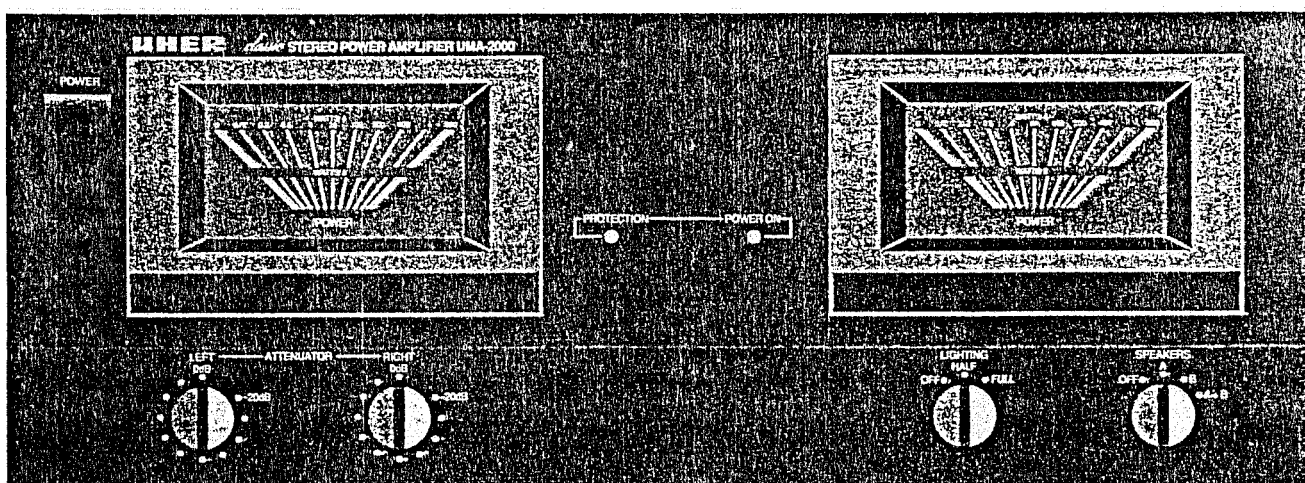


# SERVICE MANUAL

## UMA-2000 STEREO MAIN AMPLIFIER



## SPECIFICATION

### Amplifier section

Continuous average power output is 200 watts per channel mini at 8 ohms from 20Hz with no more than 0.03% total harmonic distortion.

#### Output Power (both channels driven)

Rated (20Hz - 20KHz)

80hms, T.H.D. 0.03% IHF ..... 200W

40hms, T.H.D. 0.1% DIN ..... 320W

Mono/Bridge mode(1KHz)

80hms, T.H.D. 0.1% DIN ..... 630W

40hms, T.H.D. 0.1% DIN ..... 680W

Pulsed output power

80hms ..... 265W

40hms ..... 440W

Total harmonic distortion

80hms, 20Hz - 20KHz, 200W ..... 0.03%

Input(Sensitivity/impedance) ..... 1V/50Kohms

Frequency response

3Hz - 120KHz ..... +0/-3dB

S/N rated (short circuit, A network)

at rated output ..... 110dB

at 50mw ..... 85dB

### Miscellaneous

Power Reuirements ..... AC 230V,50Hz

Power consumption ..... 1035W

Dimension(W×H×D,without footing)

..... 435×160×410mm

Weight ..... 21.5Kgs

### Furnished Parts

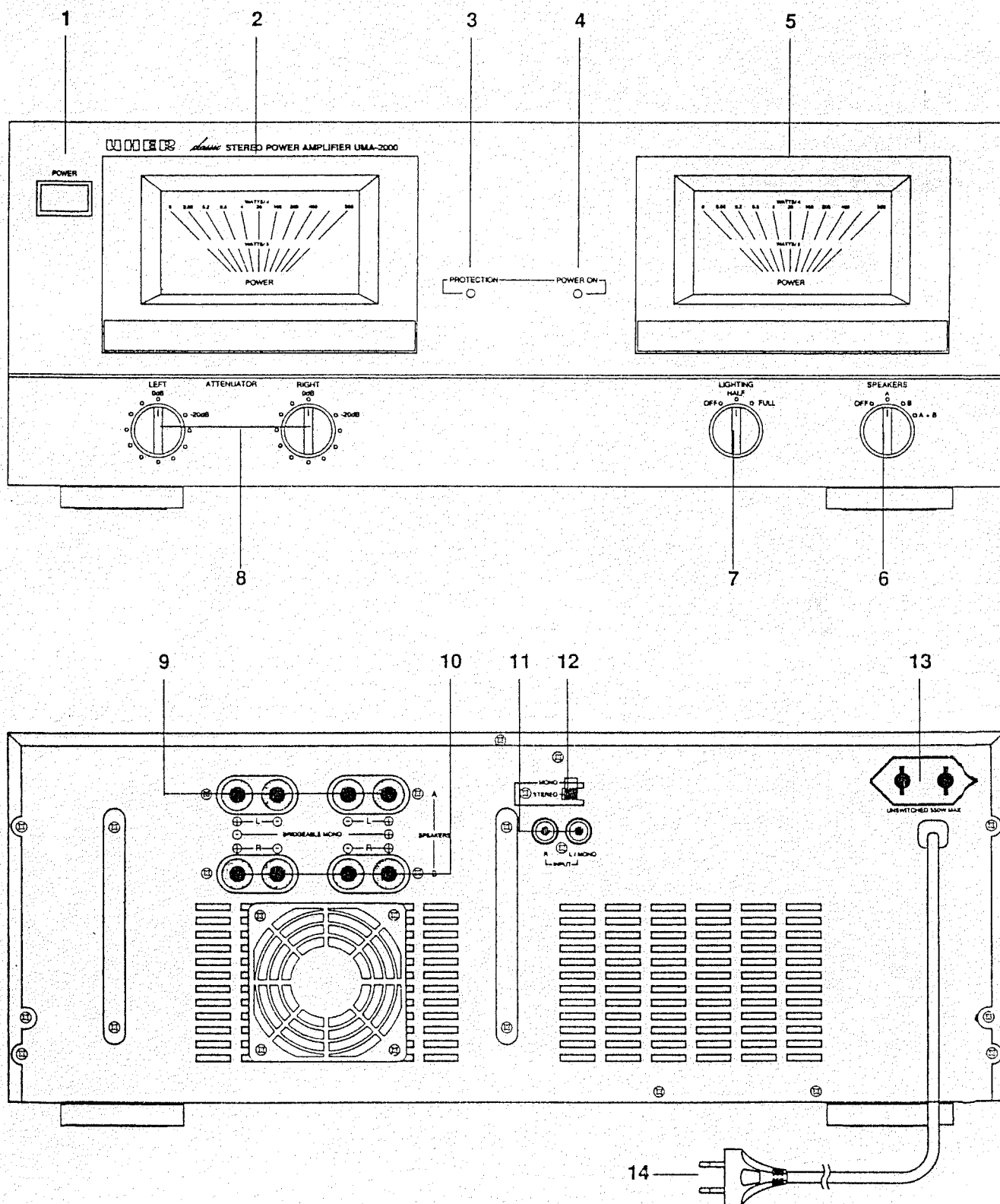
Operation instructions ..... 1

Pin-Plug cord ..... 1

### NOTE :

Specifications and design subject to possible modification without notice due to improvements.

# PANEL FEATURES

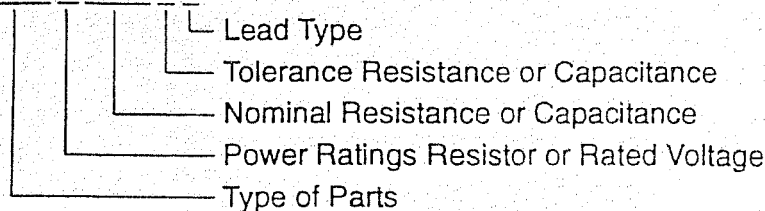


# ELECTRICAL PARTS LIST

NOTE : When ordering parts first convert parts number into code form as shown in the following examples.

## ○ PARTS Numbering

1 1 1 4 4 7 2 2 5



## ○ RESISTOR

ex) Power Ratings Resistors

8 ... 1/8W      4 ... 1/4W      5 ... 1/2W

1 ... 1W      2 ... 2W      7 ... 4W

ex) Resistor Value

479 ... 4.7Ω    560 ... 56Ω    681 ... 680Ω

822 ... 8.2Ω    123 ... 12KΩ    224 ... 220KΩ

\*CARBON film Resistor : 111 437225(3.7KΩ, 1/4W)

## ○ CAPACITANCE

ex) Rated Voltage

3 ... 16V      4 ... 25V      5 ... 35V

3 ... 50V      7 ... 63V      1 ... 6.3V

ex) Type of Ceramic Capacitor

71 ... CKDYB    75 ... CKDYE    80 ... CCDCH

88 ... CKDSL    84 ... CKDYE    86 ... CCDTH

ex) Capacitor Value

040 ... 4pF    470 ... 47pF    221 ... 220pF

182 ... 1800pF    103 ... 0.01pF    473 ... 0.047pF

ex) Tolerance Capacitance

0 ... C = ±0.25pF    1 ... D = ±0.5pF    2 ... F = ±1pF

0 ... C = ±20%    4 ... J = ±5%    5 ... K = ±10%

9 ... Z = +80%    6 ... M = ±20%  
-20%

\*ELECTROLYTIC CAP : 1[4][4]647365 (0.047 μF, 50V, ±20 %)

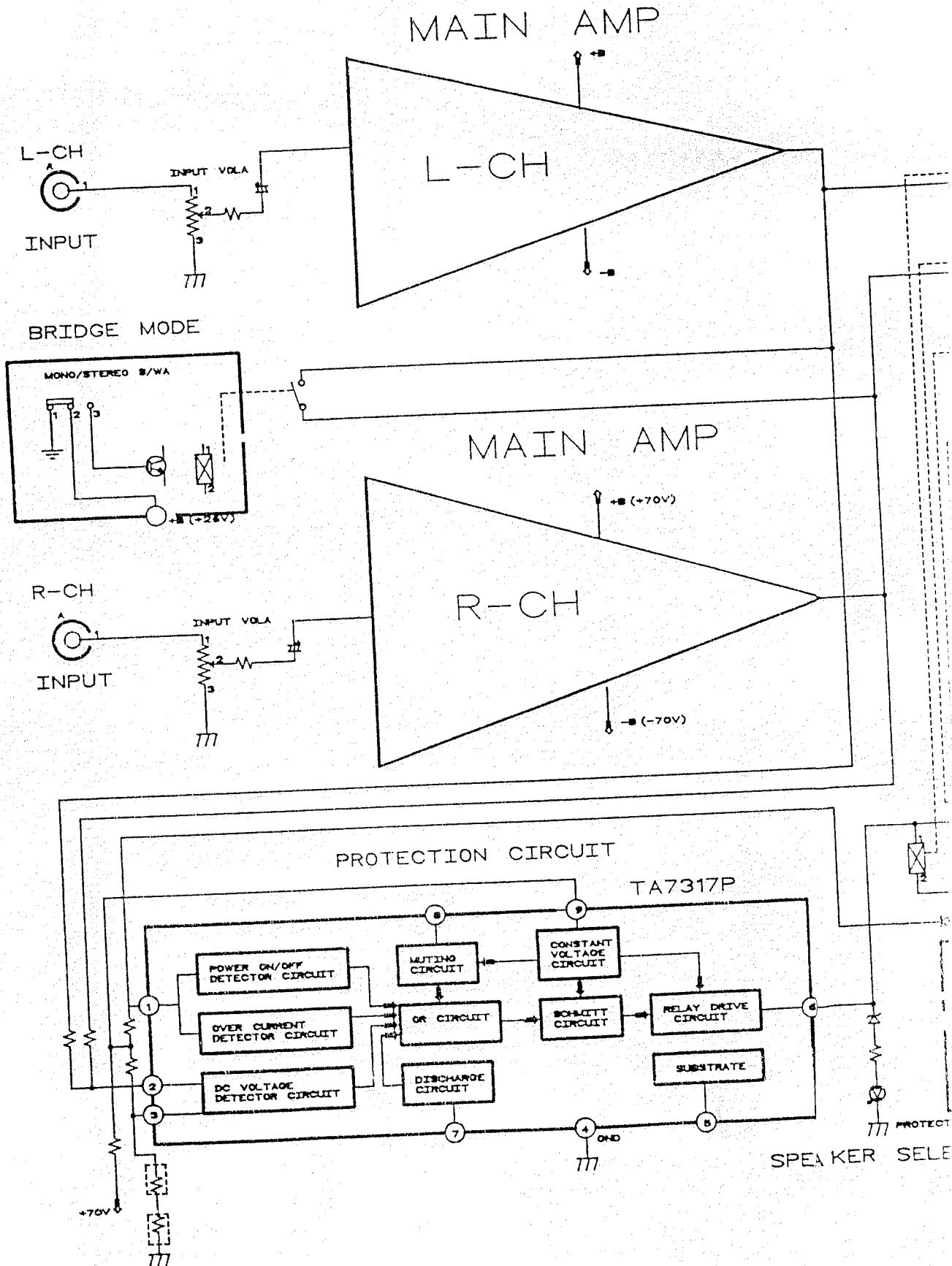
\*CERAMIC CAP : 1[8][8]647241 (4700pF, 50V, ±20 %)

\*MYLAR CAP : 1[5][0]647251 (4700pF, 50V, ±10 %)

\*STYROL CAP : 1[5][3]647241 (430pF, 50V, ±5 %)



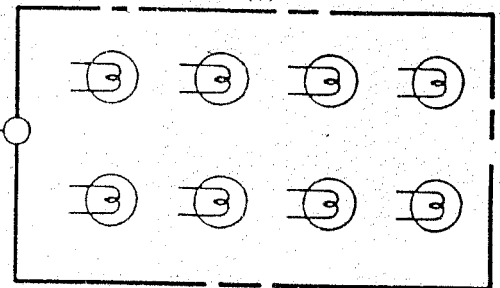
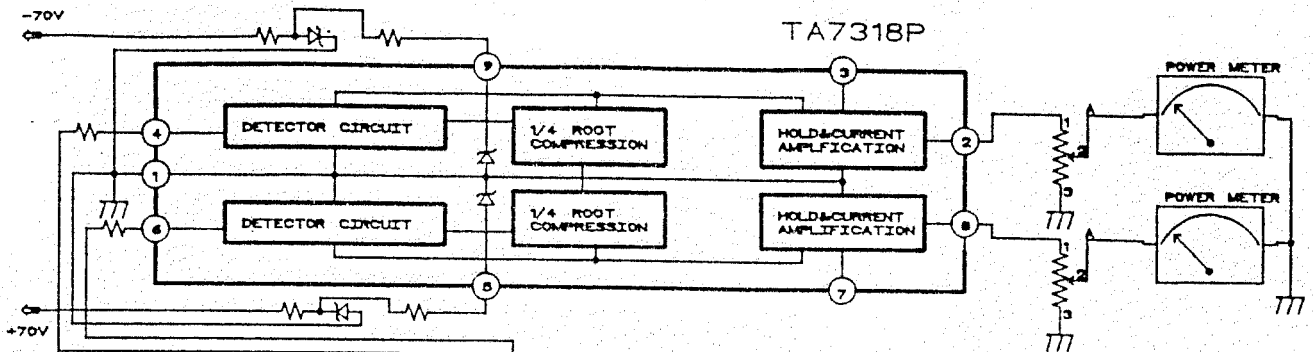
# BLOCK DIAGRAM



UHER Service Station  
 14th Street  
 2nd Floor  
 Tel. 602-251-1111

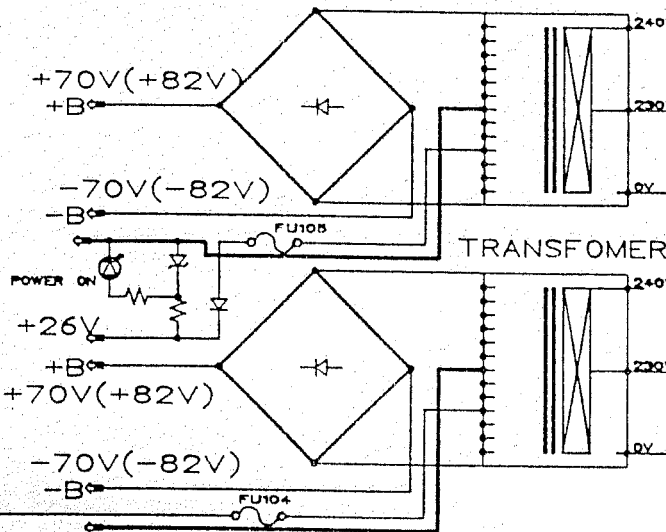
# LEVEL METER CONTROL

TA7318P



LAMP LIGHT ASS'Y

## POWER SUPPLY (L-CH)

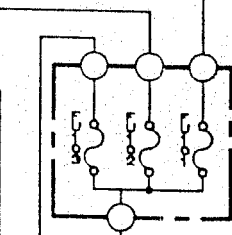


## POWER SUPPLY (R-CH)

FU104: T2.5A/250V  
 FU105: T3.15A/250V

## AC OUTLET UNSWITCHED 550W MAX

### FUSE ASS'Y

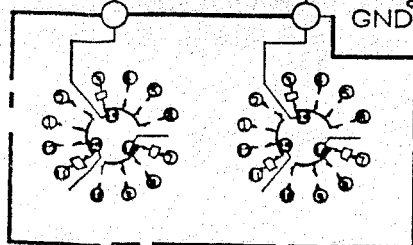
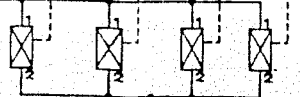


FU101: T2.5A/250V  
 FU102: T3.15A/250V  
 FU103: T3.15A/250V

POWER S/W

AC CORD  
 230V/240V  
 50Hz

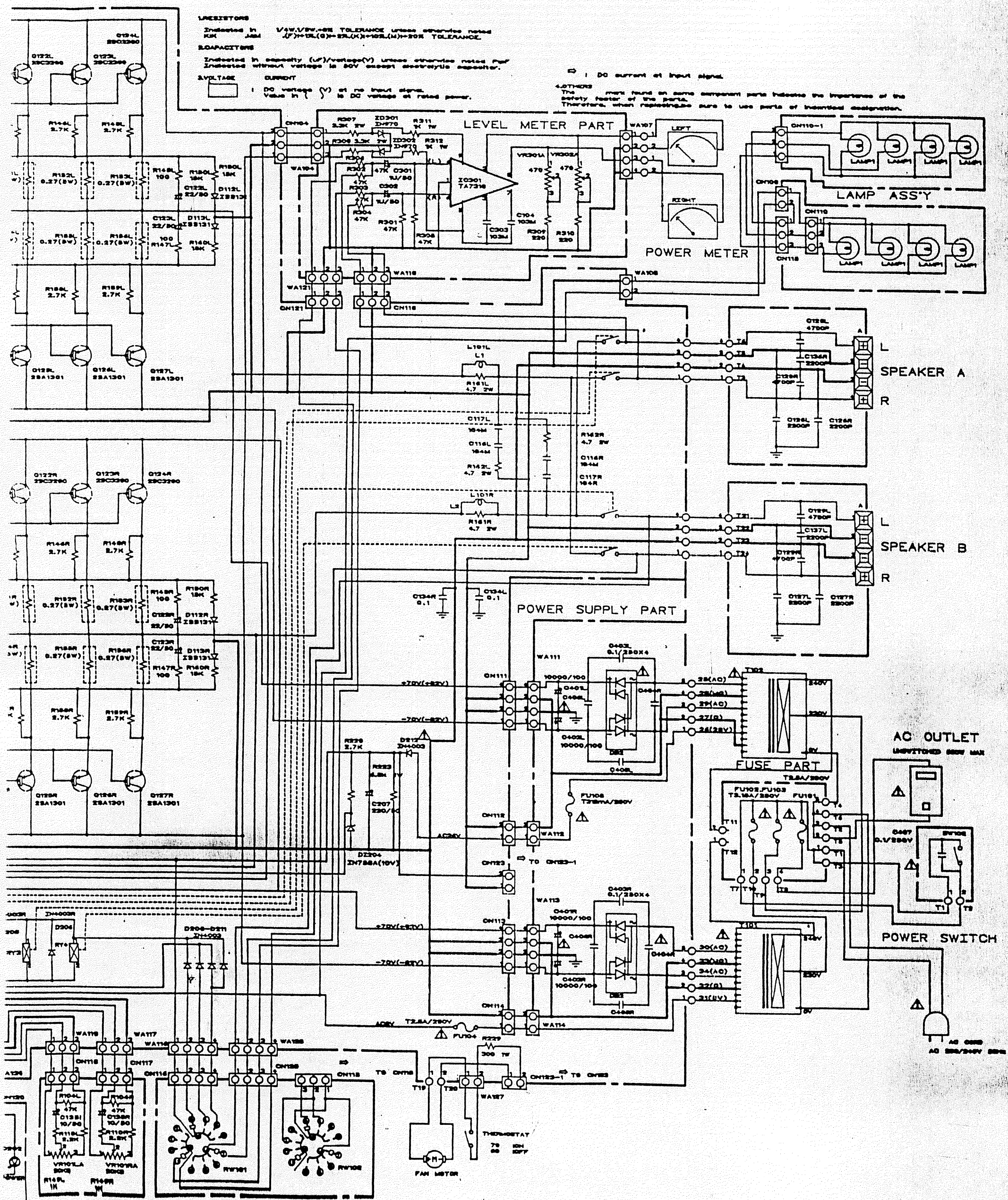
### RELAY DRIVE



PROTECTION  
 SELECTOR/LAMP SELECTOR

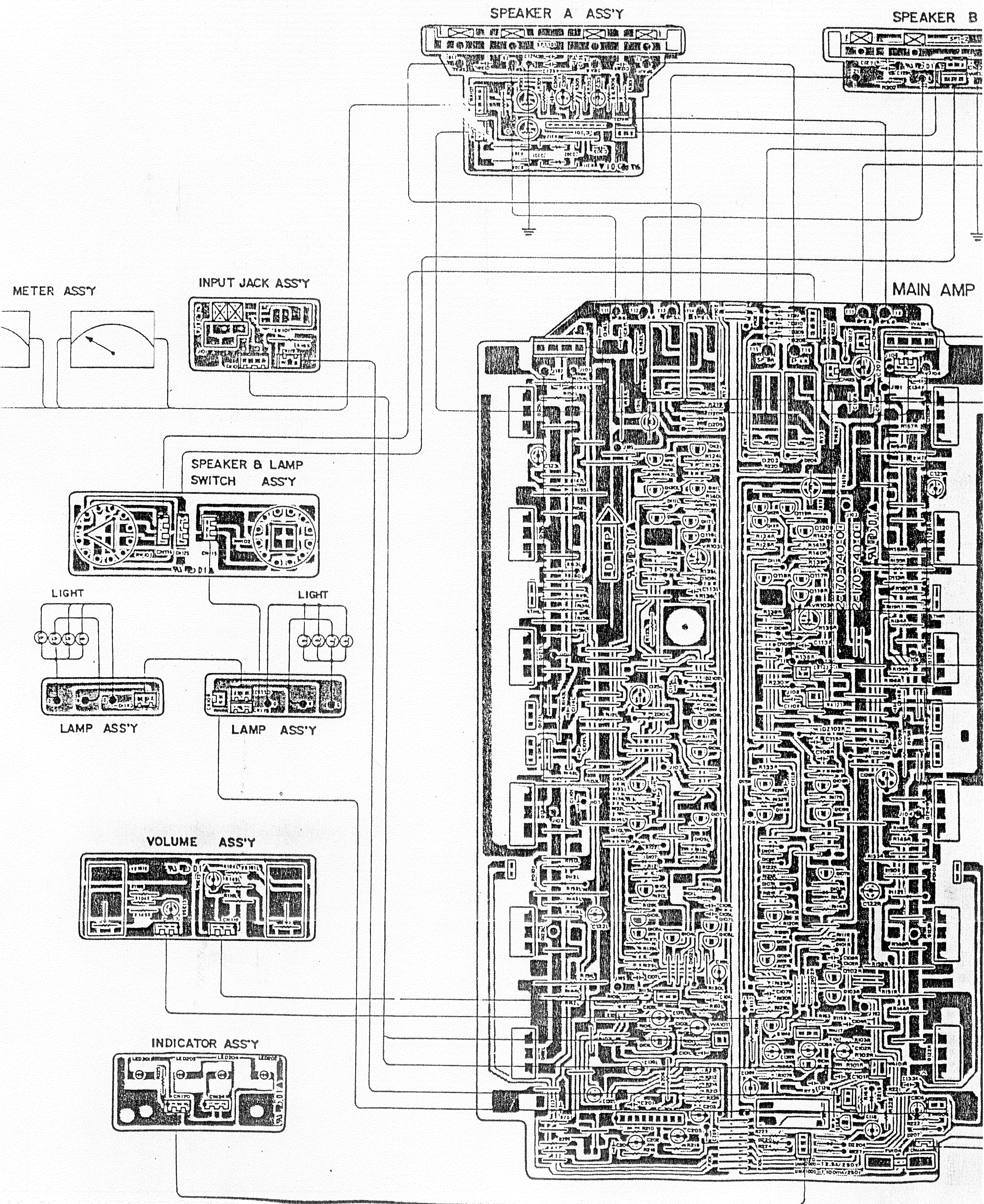






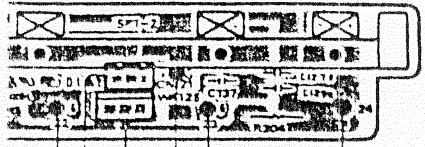


## WIRING DIAGRAM

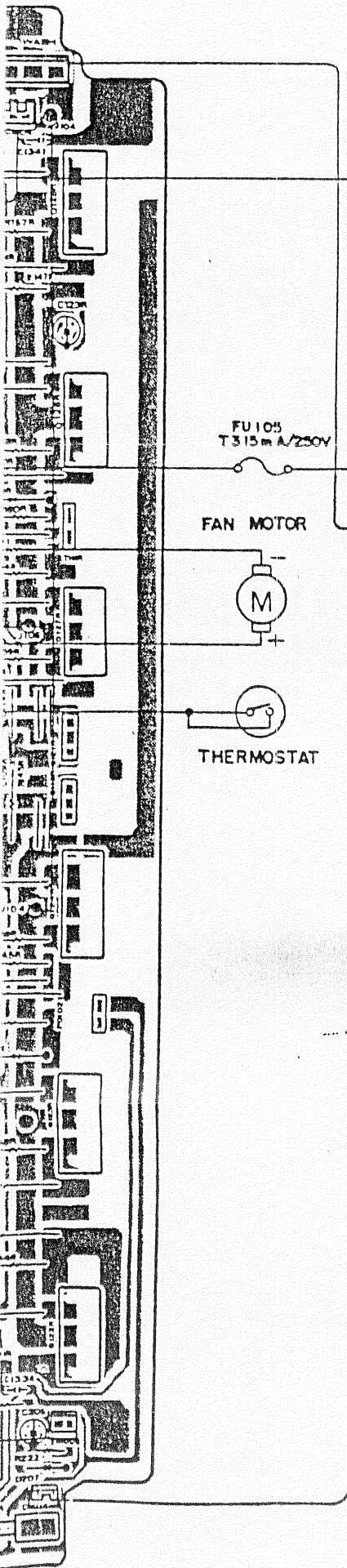




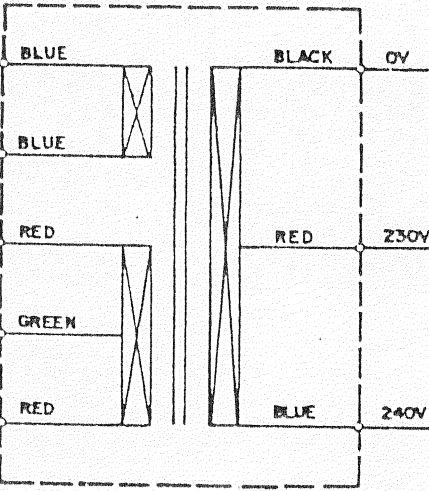
PEAKER B ASSY



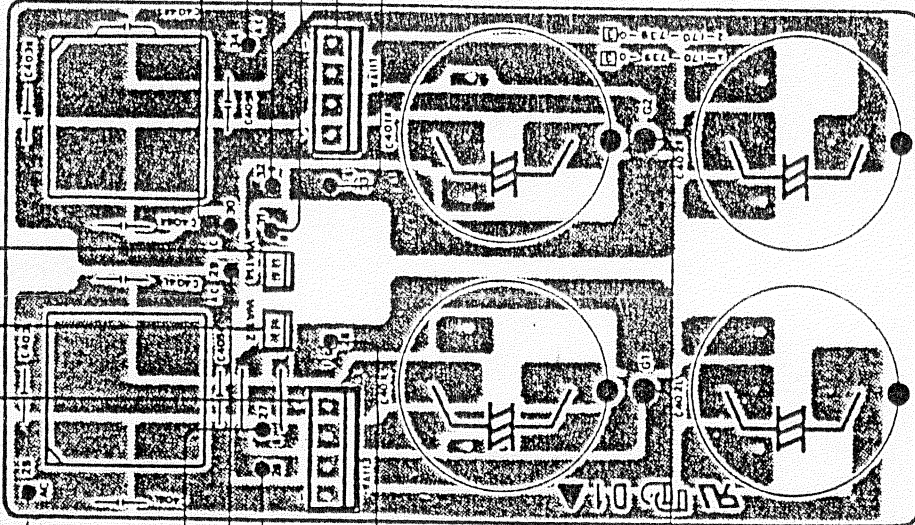
MAIN AMP ASS'Y



T102



POWER SUPPLY ASS'Y



FU105  
T 315 mA/250V

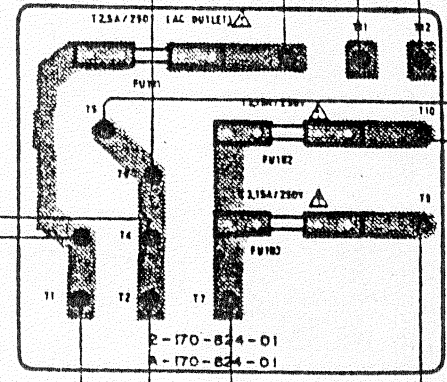
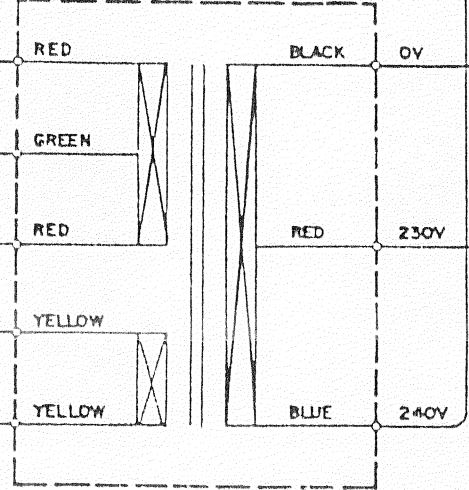
FAN MOTOR



THERMOSTAT



T101



UNSWIT  
550W

AC POWER COF

AC 230V 50Hz

POWER SW ASS'Y

